DVD+VCR

GO.VIDEO®

DV1030

User's Guide

DVD VIDEO

PROGRESSIVE SCAN

DOLBY DIGITAL

dts DIGITAL OUT

PLAYS MP3

COMPACT disc DIGITAL AUDIO

VHS

Important Safeguards

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

IMPORTANT FOR LASER PRODUCTS

- **LASER :** This Digital Video Disc Player employs a Laser System. To ensure proper use of this product please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

  Use of control adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

  To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated.
  DO NOT STARE INTO THE BEAM.
- **DANGER :** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- **CAUTION :** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

CLASS 1
LASER PRODUCT

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception; which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experience radio/TV technical for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Any changes or modification in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

1 Read Instructions

All the safety and operating instructions should be read before the unit is operated.

2 Retain Instructions

The safety and operating instructions should be retained for future reference.

3 Heed Warnings

All warnings on the unit and in the operating instructions should be adhered to.

4 FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5 Cleaning

Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6 Attachments

Do not use attachments unless recommended by the unit's manufacturer as they may cause hazards.

7 Water and Moisture

Do not use this unit near water- for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like. Caution : Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear the UL listing mark or CSA certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

8 Accessories

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or adult as well as serious damage to the unit. Use this unit only with a cart, stand, tripod, bracket, or table recommended by the manufacturer.

8A A unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn.

PORTABLE CART WARNING
(symbol provided by RETAC)

9 Ventilation

Slots and openings in the case are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. These openings must not be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat radiator. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10 Power Sources

This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

11 grounding or Polarization

This unit is equipped with a polarized alternating - current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet.To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.

12 Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

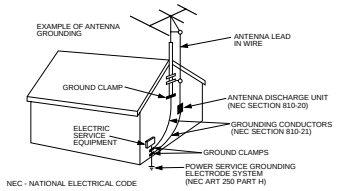
Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

13 Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984 (Section 54 of Canadian Electrical Code, Part 1) provides

information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See example as shown.


EXAMPLE OF ANTENNA GROUNDING
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)
NEC - NATIONAL ELECTRICAL CODE

14 Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.

15 Lightning

For added protection for this unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

16 DISC TRAY

Keep your fingers well clear of the disc as it is closing. It may cause serious personal injury.

17 Overloading

Do not overload wall outlets of extension cords as this can result in a risk of fire or electric shock.

18 Object and Liquid Entry

Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or "short-out" parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

19 BURDEN

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

20 DISC

Do not use a cracked, deformed or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

21 Servicing

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

22 Damage Requiring Service

Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions.

A. When the power-supply cord or plug is damaged.

B. If liquid has been spilled, or objects have fallen into the unit.

C. If the unit has been exposed to rain or water.

D. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.

E. If the unit has been dropped or the cabinet has been damaged.

F. When the unit exhibits a distinct change in performance-this indicates a need for service.

23 Replacement Parts

When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the unit manufacturer can prevent fire, electric shock, or other hazards.

24 Safety Check

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks recommended by the manufacturer to determine that the unit is in safe operating condition.

25 Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

26 Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Features...

- **DVD, VCD, MP3 on CD-R/RW, and VHS playback**
- **Watch DVD and Record TV at the same time**
- **Multi-function remote control (VCR, DVD)**
- **VISS function**
- **MTS sound playback/record**
- **High Quality 6-Head Hi-Fi Sound**
- **One Touch Recording (OTR)**
- **Progressive Scan**
- **MP3 playback**
- **Graphical On Screen Display**
- **Screensaver function (DVD)**
- **3D sound (3D sound effect using 2 speakers)**
- **High bit / high sampling with 27MHz / 10bit video encoder**
- **High bit / high sampling with 96KHz / 24bit audio D/A converter**
- **Coaxial digital audio output (PCM, Dolby Digital, dts)**
- **Built-in Dolby Digital decoder (DVD)**
- **Analog audio 2-channel output for DOWNMIX (x1)**
- **Composite video out (x1)**
- **Slow Forward / Reverse (DVD) playback**
- **Fast Forward / Reverse playback**
- **DVD Title, Chapter and Time Search, and CD/VCD Track and Time Search**
- **Adjustable TV Aspect Ratio**
- **Repeat playback**
- **A-B Repeat (DVD)**
- **English, French and Spanish OSD**
- **Parental Lock (DVD)**
- **Multi Angle function (DVD)**

  This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (The number of angles depends on the software.)
- **Zoom function (DVD/VCD)**

Read Carefully Before Using

Please read carefully before using this DVD player.

Placement and handling

- The picture and sound of a nearby TV, VCR, or radio may be distorted during playback. In this case, position the unit away from the TV, VCR, or radio, or turn off the unit after removing the disc.
- Do not use volatile liquids, such as insecticide spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long period of time. They will leave marks on the surface.

When Not in Use

- When the unit is not in use, be sure to remove the disc or tape and turn off the power.
- If you do not use the unit for a long period of time, remove the remote control batteries to prevent leakage.

Moving

- The original shipping carton and packing materials come in handy. For maximum protection, re-pack the unit as it was originally packaged at the factory.
- Remember to eject any videotape or disc.

Cleaning

- Use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

Maintenance

- This is a high precision video device. For optimal performance, we recommend regular inspection and maintenance every 1,000 hours by qualified service personnel. Contact your dealer or nearest service center.

Antenna Orientation

- Antennas are subject to changes in direction or damage due to wind and rain. For best results, contact your nearest service center about proper orientation and/or replacement.

Copyright

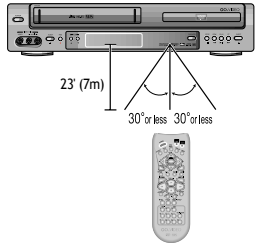
- It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission.

Tape and Disc Handling

- To prevent damage to the unit, do not use moldy, stained, scratched or otherwise damaged tapes or discs.
- Condensation may be present on your videotape. Allow the tape to dry completely before using it.
- After playing, store discs and tapes in their cases to prevent damage.
- Do not expose discs or tapes to high temperatures, humidity, mold, direct sunlight, dirt, dust or strong magnetic materials.

Using the Remote Control

- Operate remote control within 23 ft. (7m) of the unit.
- Do not press two buttons at the same time.
- Do not store in a dusty or humid location.



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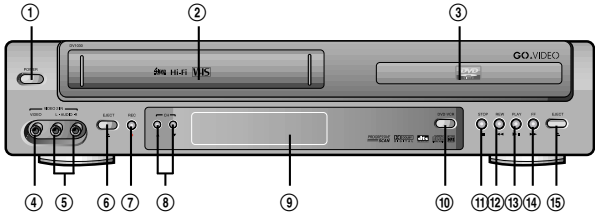
Identification of Controls

Front Panel



① **Power (STANDBY/ON) button**
Use to power the device on/off if AC power supply is connected.

② **Use to insert videotape**

③ **Disc tray**

④ **Video input jack**

⑤ **Audio input jacks**

⑥ **VCR Eject button**

⑦ **Record button**

⑧ **Channel Up/Down buttons**

⑨ **Operation Display Window**
Displays operation of device. For more information, see "Operation Display Window" on the next page.

⑩ **Select button**
Use to change DVD mode to VCR mode, and vice versa.

⑪ **Stop button**
Use to stop playing.

⑫ **Rewind button**
Use to rewind videotape or disc.

⑬ **Playback/PAUSE button**
Use to start and pause playback of videotape or disc.

⑭ **Fast Forward button**
Use to fast forward videotape or disc.

⑮ **DVD Eject button**

Operation Display Window

VCR **VCR Operation**

REC **REC and TIMER REC display**

REC Recording , REC Timer Recording in Progress

Timer Recording set

Timer Recording Error (No Tape or Tape Without Tab)

AM **AM**

P-S **Progressive Scan**

dts **dts Disc Indicator**

T **Track**

C **Chapter**

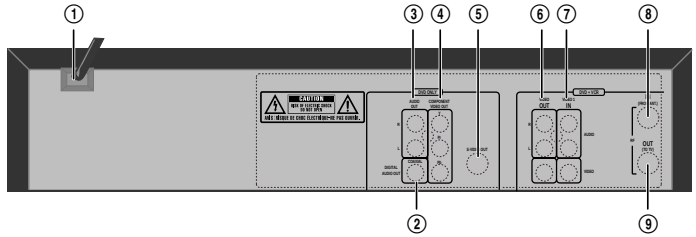
Time, Counter and Current Operation

OPEN	Tray is opened
CLOSE	Tray is closed
LOAD	Disc is loaded
NO DISC	No disc in tray
ERDISC	Disc error
MENU	Menu screen is displayed
SETUP	Setup menu is displayed
ON	Power is ON
OFF	Power is OFF

3D **3D Sound Indicator**

DVD **DVD Disc Operation**

Rear Panel



① **Power Cord**
Connect to wall oulet.

② **Digital Output (COAXIAL) Jack**
Connect to digital receiver/ amplifier or digitial audio decoder.

③ **AUDIO Out Jack**

④ **COMPONENT Video Out Jack**
For best picture quality, connect the unit to TV or monitor with COMPONENT(480i) input.

⑤ **S-Video Output Jack**

⑥ **A/V Output Jack**

⑦ **A/V Input Jack**

⑧ **Connection to Antenna/Cable**

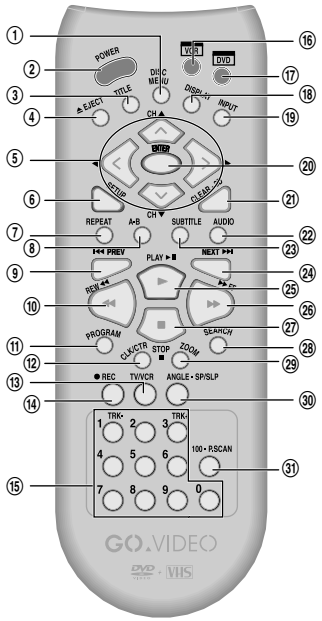
⑨ **Connection to TV**

Accessories

Remote Control	2 Batteries	RF Cable	Audio/Video Cable	Owner's Manual/ Warranty

• To purchase accessories or additional parts, contact your nearest dealer or service center.

Remote Control



① [DVD] DISC MENU button
② POWER button
③ [DVD] TITLE button
④ [DVD, VCR] EJECT button
⑤ [DVD, VCR] MOVE/SELECT in OSD, [VCR] Channel Up/Down button
⑥ SETUP button
⑦ [DVD] REPEAT Playback button
⑧ [DVD] A-B REPEAT button
⑨ [DVD] PREVIOUS button (skip to previous chapter or track)
⑩ REVERSE SEARCH button
⑪ [VCR] TIMER RECORDING button, [DVD] PROGRAM Playback button
⑫ [DVD, VCR] CLOCK/COUNTER button
⑬ [DVD, VCR] TV/VCR button
⑭ [VCR] Record button
⑮ [DVD, VCR] 0-9 buttons , [VCR] TRACKING -/+ buttons
⑯ VCR SELECT button
⑰ DVD SELECT button
⑱ [DVD, VCR] OSD DISPLAY button
⑲ INPUT Selection button
⑳ ENTER button
㉑ CLEAR/3D button
㉒ [DVD] AUDIO LANGUAGE Select, [VCR] AUDIO Select button
㉓ [DVD] SUBTITLE Select button
㉔ [DVD] NEXT button (Skips to next chapter or track) , [VCR] Frame Advance button in pause mode
㉕ PLAY/PAUSE button
㉖ FORWARD SEARCH button
㉗ STOP button
㉘ [DVD] Chapter/Title/Time SEARCH button
㉙ [DVD] ZOOM button
㉚ [DVD] ANGLE, [VCR] Record SPEED button
㉛ [DVD] PROGRESSIVE SCAN/INTERLACE SCAN Select button, [VCR] 100 button

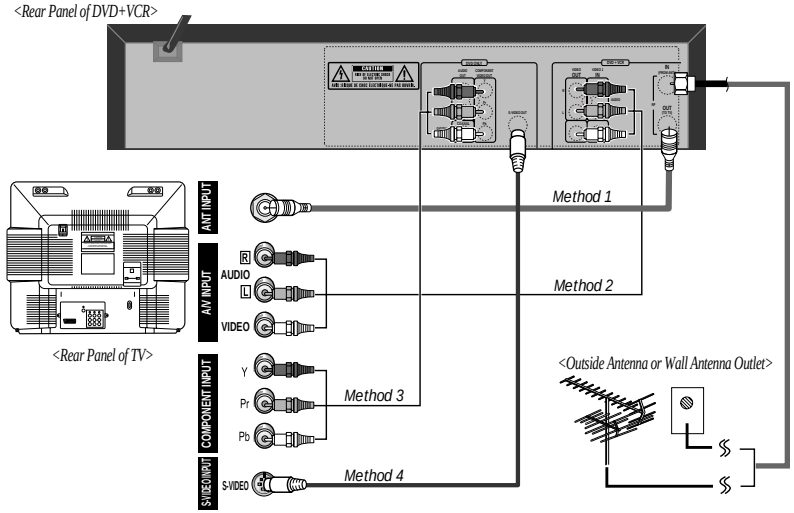
Child Lock!!!

Press the power [⏻] button on the remote control for about 8 seconds. All front panel and remote cotnrol buttons are now locked, and the Lock indicator ("LOCK") will be displayed on window display. To release child lock, press the power [⏻] button again for about 8 seconds.

Connecting to TV

- The default RF Output channel is CH3. To change this setting, use the "CHANNEL SET" screen in VCR mode.
- In connecting RF cable to TV, set TV channel to CH3.

Various methods of connecting your TV



Method 1

Remove RF cable plugged into "ANT.IN" Jack on rear panel of TV. Connect this RF cable to **"ANT.IN"** jack on rear panel of DVD+VCR. Connect TV to DVD+VCR. Connect **"RF OUT"** jack on DVD+VCR to **"ANT.IN"** jack on TV with RF cable.

Method 2 : Connecting to a TV equipped with audio/video in jacks

Connect **VIDEO OUT** jack on DVD+VCR to **VIDEO IN** jack on TV, and **AUDIO OUT** jack on DVD+VCR to **AUDIO IN** jack on TV with the supplied audio/video cable. Select VCR mode by pressing TV/INPUT button on your TV.

Method 3 : Connecting to a TV equipped with component video in jacks

Use a component video cable (not supplied) in place of the yellow video cable to enjoy higher quality pictures. The component video connection only works in DVD playback mode. Therefore, in order to use the VCR or view TV channels, you still need to connect the RF cable or the video cable.

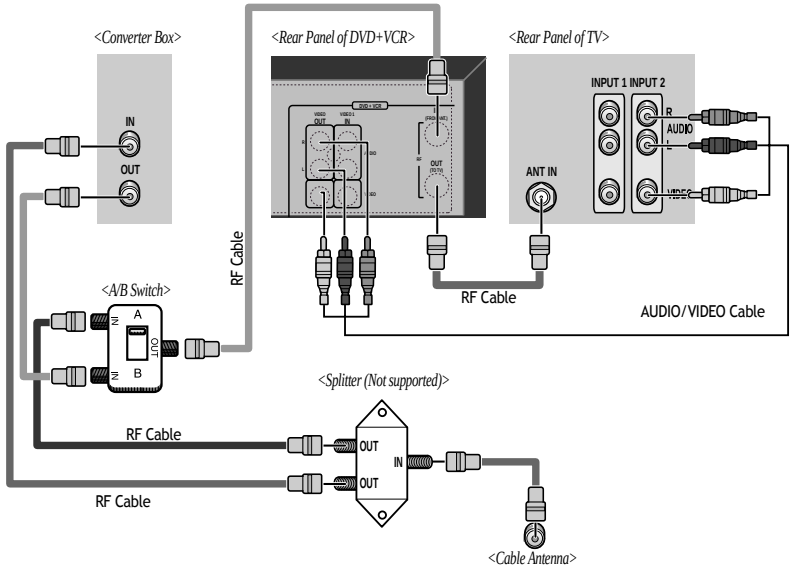
Method 4 : Connecting to a TV equipped with S-Video in jacks

Use an S-Video cable (not supplied) to enjoy higher quality pictures.

- **VHF**: TV channels 2~13, **UHF**: TV channels 14~69, **CATV**: Cable TV
- If you do not receive a clear picture using the Component Video Pr, Pb, Y jacks, try connecting to the Cr, Cb, Y jacks instead.

Connecting a Cable Box

How to connect



If your cable system only requires you to use a converter box for some channels

(i.e., pay-TV channels), follow these steps: Find the primary incoming RF cable. Plug this cable into a splitter (available at your local electronics store.) Connect one RF cable between one OUT terminal on the splitter and the IN terminal on the converter box.

Connect another RF cable between the other OUT terminal on the splitter and the A-IN terminal on an A/B switch (available at your local electronics store.) Connect a third RF cable between the OUT terminal on the converter box and the B-IN terminal on the A/B switch.

Connect an RF cable between the OUT terminal on the A/B switch and the ANT. IN jack on your DVD+VCR.

When the A/B switch is in the B position, use the converter box to change channels ; when the A/B switch is in the A position, use the DVD+VCR to change channels.

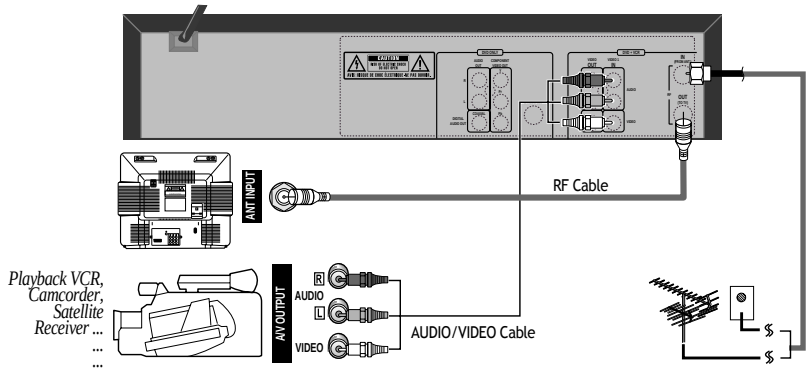
How to watch regular TV and record Cable TV

1. Set Channel Select switch of Converter Box to CH 3 or 4 as same as video exclusive channel. Press **[SET]** button in [VCR] operation to change the RF Output channel in the "CHANNEL SET" menu.
2. Select the channel to be recorded on the Converter Box. In this case, if you want to watch the show that is recording, press [TV/INPUT] button on your TV to select "Out (VCR)".
3. Press the **[REC]** button on the DVD+VCR.
4. To watch regular TV, select the desired channel on your TV.

Connecting Other Video Equipment

■ You can connect a wide variety of audio/video equipment to your DVD+VCR, including : an additional VCR, Laser Disc Player, DVD Player, Camcorder, Satellite Receiver, or Video Game. Since all of these devices use essentially the same connections, they will be described together.

How to Connect



1. Connect **Audio/Video Out** jack on your other video equipment to **Audio/Video In** jack on rear panel (or front panel) of DVD+VCR with audio/video cable.
2. Connect **"ANT. IN"** jack on TV to **"RF.OUT"** jack on DVD+VCR with RF cable.
3. To record contents of other video equipment with DVD+VCR, insert a tape with the record safety tab intact in DVD+VCR.

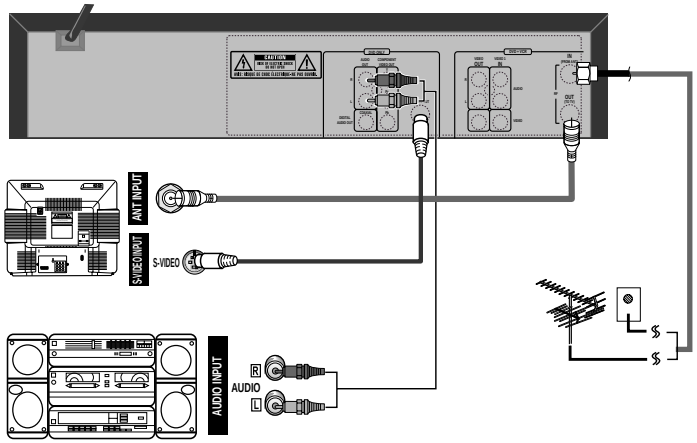
How to Copy (Edit) Tape with Other Video Equipment

1. Turn on DVD+VCR.
2. Press [INPUT] and adjust DVD+VCR to display "External Input 1" or "External Input 2" on TV screen.
3. Press [PLAY] on other video equipment.
4. Press [REC] on DVD+VCR if you want to record contents of other video equipment.
5. Press [Pause] on DVD+VCR when unnecessary or undesired scene is displayed in recording.

(Caution) Recording is stopped automatically after 5 minutes in Pause mode. Press the [REC] button again if you want to resume recording.

Connecting to a Stereo Receiver

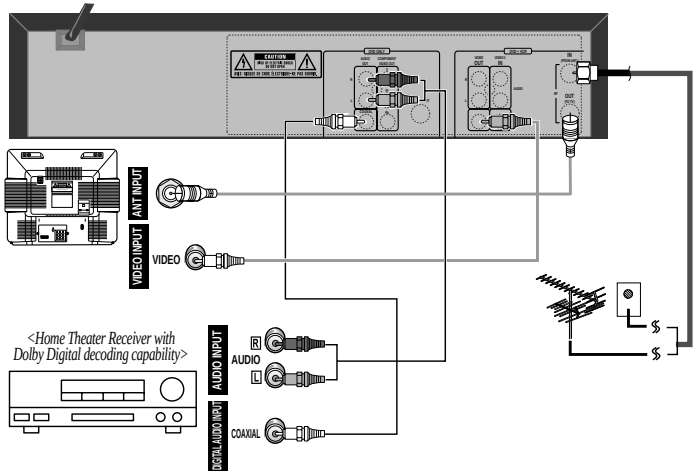
How to Connect



1. Connect **AUDIO OUT** on rear panel of DVD+VCR to **In** jack of stereo receiver.
2. Select "External Input" connected to DVD+VCR.
3. Start playback of DVD disc or Hi-Fi videotape. You should hear sound from the speakers connected to your stereo receiver.

Connecting to a Dolby Digital decoder or DTS decoder

How to Connect



1. When using this DVD+VCR to play a DVD disc in 5.1 channel Dolby Digital Surround, or DTS surround formats, the DVD+VCR outputs a Dolby Digital, or DTS data stream from its COAXIAL DIGITAL AUDIO OUT jack. By hooking the DVD+VCR up to a Dolby Digital or DTS decoder, you can enjoy high-quality surround sound.
2. Use a coaxial digital audio cable (not included) for the audio connections.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Output Select

To Select DVD

Press the [DVD] button.

DVD lights on the operation display window and all remote control buttons control the DVD player.

To Select VCR

Press the [VCR] button.

VCR lights on the operation display window and all remote control buttons control the VCR.

To Watch TV or External Input

Press the [INPUT] button.

Whenever you press the [INPUT] button, VCR PLAYBACK, BROADCASTING RECEPTION and EXTERNAL INPUT are selected in that order.

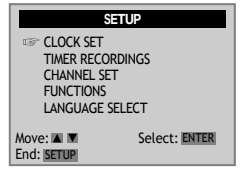
Clock Set

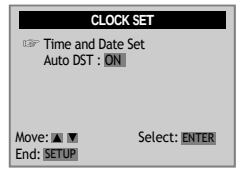
- Set TV to CH 3 (or 4).
- Press [VCR] on the remote control to select VCR mode and follow the procedures below.

1 **Press [SETUP].**

Press [ENTER] to select CLOCK SET.

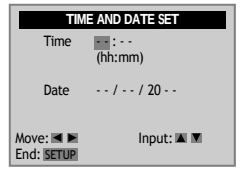
Select Time and Date Set and press [ENTER].



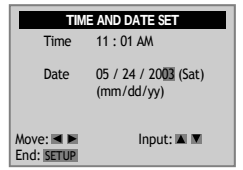


2 **Set the current date and time with [<, >, ^, v] or [0-9].**

For DATE SET, follow the order of Month / Day / Year ; for TIME SET, follow the order of Hour / Minute.



3 **When CLOCK SET is complete, press [SETUP].**



BASIC OPERATION

DVD Playback

1 **Press [POWER] to power on.**

Press [DVD] to select DVD mode.

2 **Press [EJECT] to open the disc tray.**

Place your disc firmly on the disc tray, with the label facing upward.

3 **Insert the disc and press [EJECT] to close the tray.**

The disc tray is closed and after checking the disc's condition, many discs will start playback automatically.

4 **To start playback, press [PLAY/PAUSE].**

- **In the case of DVD,**
  DVD menus and titles are often displayed on screen.
- **In the case of S-VCD and VCD2.0:**
  The disc menus are displayed on screen and are converted into PBC (Playback Back Control) mode.
- **In the case of CD, VCD1.1 and MP3:**
  The disc plays in order of its track numbers.

5 **To stop playback, press [■].**

To pause, press [PLAY/PAUSE] during playback.
Press [PLAY/PAUSE] again to resume playback.

6 **Press [EJECT] to remove the disc.**

If you press no button in 5 minutes after you are opened the tray, the player closes the tray automatically to prevent from damage.

Various Playback Methods

- **For fast (or reverse) playback, press [▶▶] or [◀◀] in Playback mode.**
  ** Unavailable during MP3 playback and with certain DVDs.*
- **For slow (or reverse) playback, press [▶▶] or [◀◀] in Pause mode.**
  * Not available during VCD playback. The ⃠ mark will appear.
- **For still picture, press [PAUSE] in Playback mode.**

VCR Playback

1 **Press [POWER] to power on.**

Press [VCR] to select VCR mode.

2 **Insert the desired tape.**

3 **To start playback, press [PLAY/PAUSE].**

When the picture is flickering or poor, adjust it with the [TRACKING +/-] buttons.

4 **To stop playback, press [■].**

For pause, press [PLAY/PAUSE] in playback mode.
Press [PLAY/PAUSE] again to resume playback.

5 **Press [EJECT] to remove the tape.**

Various Playback Methods

- **For fast forward (or reverse) playback, press [▶▶] or [◀◀] in Playback mode.**
- **For Still picture, press [PLAY/PAUSE] in Playback mode.**
- **For slow-motion playback, press [▶▶] in Pause mode.**
  ** NOTE: The VCR does not have Slow Reverse Playback.*
- **For Frame Advance,** press [NEXT ▶▶|] in Pause mode. Each time you press this button, the picture advances one frame.

If the VCR detects contaminated head(s), it shows an on-screen message to bring this to your attention.

* If you see this message, clean the video heads with a commercial head-cleaner.

To Adjust Display

This product includes automatic Tracking so you can enjoy a clear picture without additional operation. However:

- If the screen is poor in Playback mode,

- If noises occur in the upper or lower part of the screen in slow playback mode,

- If paused picture vibrates up and down.

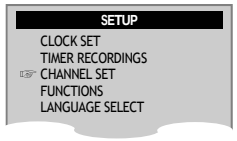
Then try using the [TRACKING +/-] buttons to adjust the display manually.

Memorizing TV Channels

To Automatically Memorize Channels

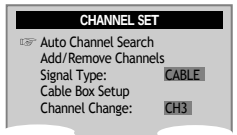
1 Press [SETUP].

Press [∨] to move ☞ to CHANNEL SET, and then press [ENTER].



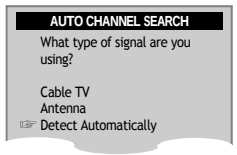
2 Select "AUTO CHANNEL SEARCH".

Press [ENTER] to select AUTO CHANNEL SEARCH.



Select "Detect Automatically".

Press [ENTER] to detect the channel automatically.



The DVD+VCR searches for all available channels. When this process is complete, the lowest channel found is displayed.

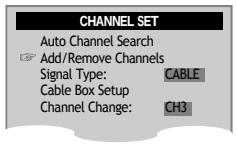
3 Check memorized channels.

To check the memorized channels, press [CH+/-] on the remote control.

To Memorize Channels Manually

■ To add or remove channels manually:

1 Press [SETUP] and select "CHANNEL SET".
Select "Add/Remove Channels".



2 Select the desired channel and memorize it.

Use the [0-9] buttons to select the desired channel.

When [>] is pressed, "REMOVED" under the channel number changes to "**ADDED**".

3 Check the memorized channel.

To check the memorized channel, press [CH+/-] on the remote control.

To Delete Channels Manually

■ To delete memorized channels:

1 Press [SETUP] and select "CHANNEL SET".
Select "Add/Remove Channels".

2 Select the desired channel and delete it.

Use the [0-9] buttons to select the desired channel to delete.

When [<] is pressed, "ADDED" under the channel number changes to "**REMOVED**".

3 To check the deleted channel, press [CH+/-] on the remote control.

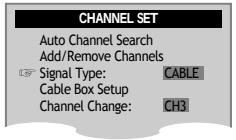
Selecting cable or antenna viewing

■ To change between Antenna and Cable TV:

To set the signal type:

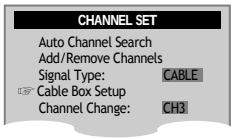
Press [ENTER] to toggle the setting between CABLE and ANTENNA in the CHANNEL SET screen.

When the desired signal type is displayed, press [SETUP] twice to exit.



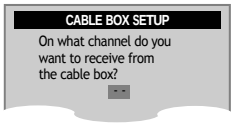
To Set Cable Box

1 Press [SETUP] and select "CHANNEL SET".
Select "Cable Box Setup".



2 Select "Cable Box Channel".

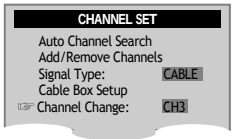
Enter the channel number which matches to the output of the Cable Box.



To Set Output Channel

Press [SETUP] and select "CHANNEL SET".
Select "Channel Change".

Press [ENTER] to set the RF Output channel to CH3 or CH4.



Recording

To Record With VCR

1 **Press [POWER] to power on.**

- Press [VCR] to select VCR mode.
- Power on TV and select Ch 3, or press [INPUT] on your TV to select External Input mode.

2 **Insert a recordable tape.**

Insert a tape with recording tab.

3 **With [CHANNEL], [0-9] and [INPUT] buttons, select the desired channel or external input to record.**

4 **Select the desired speed (SP or SLP) with the [SP/SLP] button.**

5 **Press [REC] button.**

The unit starts recording.

6 **If you want to pause recording, press [PAUSE].**

After pressing [PAUSE], if the unit is left in Pause mode for five minutes, the recording is stopped automatically.

7 **To exit recording, press [STOP].**

To Watch Another TV Channel or DVD during recording

1 **If you want to watch another TV channel during recording, press [TV/VCR].**

Select the desired channel on your TV.

2 **If you want to playback a DVD during recording, insert a DVD disc.**

Place the desired DVD disc on DVD tray, press [DVD] to change OUTPUT to DVD mode and press [PLAY].

To Record From DVD To Videotape during DVD playback

1 **Press [DVD] to select DVD mode.**

Insert the desired DVD disc.

You cannot record copy-protected DVD discs.

Insert a recordable tape.

2 **Play the DVD disc and press [REC].**

DVD plays and VCR starts recording.

3 **To exit copy, press [■].**

Recording stops automatically when DVD playback is finished or recorded tape reaches the end.

Video recorded in PROGRESSIVE SCAN mode will playback abnormally. First change PROGRESSIVE to INTERLACED mode in the SCAN MODE screen, then record from DVD to videotape. (refer to pages 42, 44)

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

One Touch Recording (OTR)

■ To record the current TV program at the touch of a button, follow the procedures below.

1 First, follow steps 1 to 4 under "To Record With VCR".

2 Press [REC] as repeatedly to set the desired recording time as follows:

Once ..... continuous recording until you press [STOP]
Twice ..... record for 30 mins from current time
3 (times)..... record for 1 hour
⋮ ⋮
9 ..... record for 4 hours
10 ..... Return to normal (continuous) recording

3 To stop Recording, press [STOP] for more than 5 seconds.

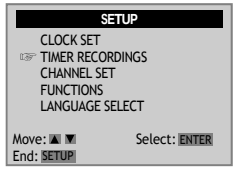
Timer Recording

TIMER RECORDINGS

- Power on TV.
- Make sure the current time is set correctly.
- Insert a recordable tape with recording tab.
- Press [VCR] to select VCR mode.

1 Press [SETUP] and select “TIMER RECORDINGS”.

Move ☞ to "TIMER RECORDINGS” with [∨] and press [ENTER].



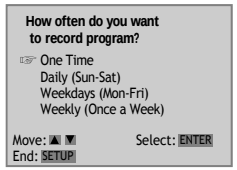
2 Select “Make a New Program”.

Press [ENTER] to select "Make a New Program”.

3 Set How Often to Record.

Move ☞ to desired recording type with [∨] and press [ENTER].

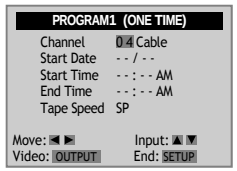
For details, see "Types of Timer Recordings” on the page 26.



4 Select a Show to Record.

Select the desired channel with [0-9].

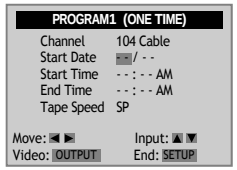
**If Converter Box and DVD+VCR are connected with an audio/video cable, select "EXTERNAL INPUT” as the TIMER REC CH with the [INPUT] button.



When ▬ moves to "Cable”, select either "Cable” or "Antenna” with [∨] or [∧].

5 Set Date and Time to Record.

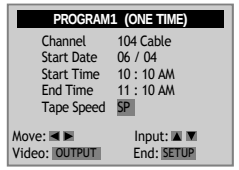
Select the date, start time and end time to record using [0-9].



6 Set "Tape Speed".

Select either SP or SLP with [∨] or [∧].

For more information on recording speed, see "Using video cassette” on page 26.


PROGRAM1 (ONE TIME)
Channel 104 Cable
Start Date 06 / 04
Start Time 10 : 10 AM
End Time 11 : 10 AM
Tape Speed SP
Move: ◄ ► Input: ▲ ▼
Video: OUTPUT End: SETUP

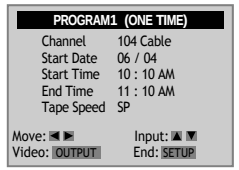
If the unit is not ready (e.g., a recordable tape is not inserted, the tape is currently playing or the unit is powered off), an error message will appear on screen.

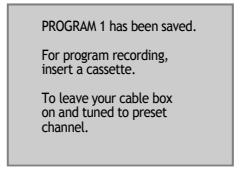
7 Press [SETUP] to complete the Timer Recording.

"Program # has been saved. For program recording, insert a cassette....” message is displayed.

TIMER RECORDING indicator, ⊡ is displayed on the operation display window.

At the scheduled time, the Timer Recording will begin.


PROGRAM1 (ONE TIME)
Channel 104 Cable
Start Date 06 / 04
Start Time 10 : 10 AM
End Time 11 : 10 AM
Tape Speed SP
Move: ◄ ► Input: ▲ ▼
Video: OUTPUT End: SETUP

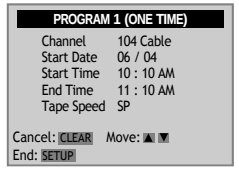


To Confirm or Cancel TIMER RECORDINGS

1 Select “Review/Cancel Programs”.

2

Confirm Timer Recording details with [∨] and press [CLEAR] to delete specific details.


PROGRAM 1 (ONE TIME)
Channel 104 Cable
Start Date 06 / 04
Start Time 10 : 10 AM
End Time 11 : 10 AM
Tape Speed SP
Cancel: CLEAR Move: ▲ ▼
End: SETUP

Timer Program Setting

Press [PROGRAM] in VCR mode.

This is a shortcut to view the Timer Recording menu.

Before setting a Timer Recording, the clock should be set correctly and VCR mode should be selected.

Types of Timer Recordings

One Time : A single Timer Recording on a specific date and time.
Daily : A Timer Recording that will record at the same time every day.
Weekday : A Timer Recording that will record at the same time Monday through Friday.
Weekly : A Timer Recording that will record once a week on the selected day and time.

Using Video Cassettes

Before you play or record on a video cassette tape, please read this information on the proper care and use of video cassettes.

Use only video cassettes that bear the VHS mark: VHS.

There are four types of video cassettes: T-60, T-90, T-120, and T-160. The amount you can record on a tape is dependent upon the tape speed at which you record. The table below lists the recording time (hours:minutes) for each tape type according to recording speed.

Tape Type	SP Mode (Standard Play)	SLP Mode (Extended Play)
T-60	1:00	3:00
T-90	1:30	4:30
T-120	2:00	6:00
T-160	2:40	8:00

Protecting video cassettes from accidental erasure

Cassettes have a safety tab to prevent erasure. Break off the safety tab with a screw driver. If you wish to record on a cassette without a safety tab, cover the hole with cellophane tape.

Inserting video cassettes

Firmly insert the cassette into the cassette compartment with the label up. An inverted cassette cannot be inserted.

Removing video cassettes

Press [EJECT] on the front panel and the VCR will eject the tape. Pull the cassette out gently.

- Audio-visual material may include works of copyright which must not be recorded without authorization of the copyright owner.
- **If you insert a video cassette without a safety tab into the unit :** After setting the timer recording program, "⏏" will blink on the display panel in the power off mode and the unit will automatically eject the cassette. In the power on mode, the unit will playback automatically.
- **If you insert a video cassette with a safety tab into the unit :** After setting the timer recording program,the unit will be in stand-by mode.
- Do not attempt to pull out the video cassette once the unit begins to load the video cassette.
- Do not insert fingers or any foreign object beyond the door flaps of the cassette compartment; this could lead to injury or equipment damage.
- Do not attempt to insert a video cassette if the unit is unplugged.

Watching and Recording Cable TV

To Watch and Record Cable TV

1

Power on converter and then set a channel to watch or to record.
Power on DVD+VCR and then set the DVD+VCR channel connected to the converter (CH03/04/EXTERNAL INPUT).
Power on TV and then set the channel connected to the DVD+VCR (CH03/04/VCR).

2

Simultaneous Recording and Watching

With the setup described above, the channel selected by the converter is displayed on screen. Simultaneously, press [REC] on the DVD+VCR to record the channel selected by the converter, and press [REC] repeatedly to set One Touch Recording (OTR).

TIMER RECORDINGS from Cable TV

1

Program VCR.

Follow the instructions above for setting a Timer Recording. Set the DVD+VCR to the channel input from the converter box (CH3, CH4 or EXTERNAL INPUT). Enter date and time of the cable program in the Timer Recording menu.

2

Set Channel on Converter Box.

Set converter to the cable TV channel to record.
e.g., to record CH48,
Display CH48 with CONVERTER CHANNEL SELECT button.

3

Complete Timer Recording.

If you power on converter, the DVD+VCR powers on automatically and starts recording at the programmed time.
**Because of the nature of converter boxes, you cannot watch one Cable TV channel and record another at the same time.

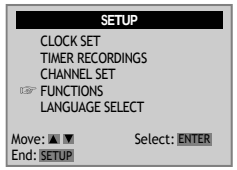
Using Advanced Features

Auto Playback

■ This feature allows the VCR to automatically start playing when you insert a tape with the safety tab removed.

1 **Press [SETUP] and select "FUNCTIONS".**

Move ☞ to "FUNCTIONS" with [∨] and press [ENTER].



2 **Press [ENTER] to switch between ON and OFF.**

- Select ON if you want a tape with its safety tab removed to start playing automatically when the tape is inserted.
- Select OFF if you do not want a tape with its safety tab removed to start playing automatically.

Switch the VCR to TV or VCR mode automatically

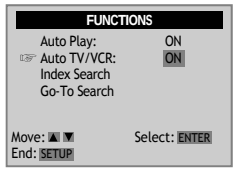
■ This feature controls whether the TV/VCR switch changes automatically to the VCR mode when the VCR is turned on.

1 **Press [SETUP] and select "FUNCTIONS".**

Move ☞ to "FUNCTIONS" with [∨] and press [ENTER].

2 **Press [ENTER] to switch between ON and OFF.**

- Select ON if you want the VCR to switch to the VCR mode when the VCR is turned on or a cassette is inserted. This only applies if you connect the ANT.IN and RF OUT jacks of your VCR and TV and watch your VCR on channel 3 of your TV.
- Select OFF if you want the VCR to remain in TV mode. This is useful if you watch your VCR on the TV's video input and you don't want your antenna/cable signal interrupted by the VCR.



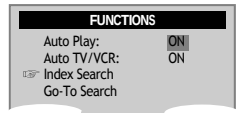
Searching a cassette tape for programs (indexing)

■ When you record a program, the VCR places an index mark at the start of the recording. To search for an index mark:

• If two recordings overlap, the index mark for the second program will be erased. Therefore, when you use the index feature to find the second program, the VCR will skip over it.

• If you record multiple programs in one recording session, the VCR will only find the index mark that was placed on the video cassette tape when the recording session began.

1 **Press [SETUP] and select "FUNCTIONS".**
Select "Index Search".



2 If you want to scan through a certain number of index marks, use the number buttons to enter the number of marks you want to search. Press CLEAR on the remote to correct an entry.

or

Press REW to search backward or FF to search forward. The VCR will locate your index mark and begin playback. If you did not enter a specific index number, the VCR will locate the next index mark and begin playback. Press STOP to stop index searching.

Searching with the tape counter (Go-To Search)

■ You can mark a segment of the video cassette with the tape counter that will help you easily locate the segment later.

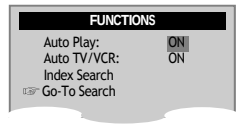
Some index marks that may be missed by the VCR :

• A mark too close to your location on the tape.

• The mark at the beginning of a recorded segment of five minutes or less.

• The first index mark on the tape when you start at the beginning of the tape.

1 **Press [SETUP] and select "FUNCTIONS".**
Select "Go-To Search".



2 The tape counter is displayed on the screen. Input the tape counter you want to find and press REW or FF, the VCR will search for the time counter you specified.

Marking a tape for zero search

1. Use PLAY, REW, or FF to locate the point on the tape you would like to mark as 0:00:00.
2. Press [DISPLAY] to display the tape counter on the screen.
3. Press [CLEAR] to reset the tape counter to 0:00:00.
4. You can continue to play the tape or perform other functions with the VCR.

Display (O.S.D)

1 Press [DISPLAY] to display the tape counter, clock and status mode on the TV screen.

2 Press [DISPLAY] again to view just the tape counter.

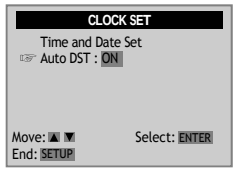
Daylight-Saving Time

1 Press [SETUP] button and select "CLOCK SET".

Move ☞ into "Auto DST" with [∨] .

2 Press [ENTER] to switch between ON and OFF.

- Select ON if you want the VCR's clock to automatically adjust for daylight-saving time.
- Select OFF if you do not want the VCR's clock to adjust for daylight-saving time.



Spring Forward ; Fall Back

In the Spring, daylight-saving time begins on the first Sunday in April. Because the clock automatically changes from 2:00 AM to 3:00 AM (forward one hour), remember to include the extra hour for any timer recordings falling within this time frame.

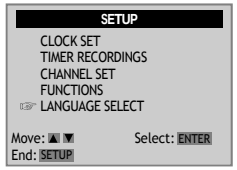
In the Autumn, daylight-saving time ends on the last Sunday in October.

The VCR clock automatically changes from 2:00 AM to 1:00 AM (back one hour). Therefore, it can also affect your recording length.

Changing the on-screen menu language

■ You can set the language for VCR Setup menus to English, Spanish, or French.

1 Press [SETUP] button and select "LANGUAGE SELECT".



2 Set the language to English, Spanish or French and [ENTER].

Hi-Fi Stereo Playback

Playing a tape in Hi-Fi high-quality

- "Hi-Fi" appears at the top of the screen.
- Pressing [AUDIO] changes the audio track as follows:

Hi-Fi → LINEAR → MIX

If there is noise in the recording, please "Linear" to reduce it.

Forced Mono

- In some cases reception is poor when receiving stereo or SAP (Secondary Audio Program) audio signals. Press [AUDIO] to improve this poor audio quality by changing to mono sound.
- Press [AUDIO] again or change the channel to resume normal stereo or SAP sound.

- While recording a stereo signal, it is recorded in Hi-Fi.

Recording Stereo or Secondary Audio Programs (SAP)

- Programs are broadcast in mono, stereo, or SAP.
- Press [AUDIO] to select STEREO, MONO, SAP in the following order:

STEREO → MONO → SAP

- **The following guidelines will help you decide on the best method for recording programs. Choose**:
  - Stereo reception for normal recording and to record broadcast stereo television.
  - Mono reception if the stereo signal is weak and sound is too "noisy."
  - SAP reception to record a second audio program. An example of an SAP is a program that is broadcast in English, but has a Spanish SAP.
- You can only record stereo and SAPs if the program is broadcast in stereo or with an SAP. Consult a television guide for specific broadcast information.

Playing a Desired Scene

To skip scenes on a disc

DVD, VCD, VCD2.0, CD, MP3

To skip to the next chapter (or track), press [NEXT ▶▶▮].

The current chapter (or track) skips to the next chapter (or track).

Press [▮◀◀ PREV].

The current scene skips to the previous chapter (or track) or to the first scene of the current chapter (or track).

Jumping directly to a desired title

DVD

■ Some movie discs contain multiple titles. If the disc has a title menu, the [TITLE] button can be used to select the desired title. Details of operation may differ depending on the disc used.

** Selecting a title may not be available on certain DVD discs.*

1 **Press [TITLE] or [MENU].**

A list of the titles on the disc is displayed.

In the case of VCD discs, menu screens will appear only when a disc has PBC function and PBC ON is activated.

2 **Press [ENTER] or [PLAY] after pressing [< > ∧ ∨] to select the desired title.**

The selected title starts playing.

Playing a programmed order

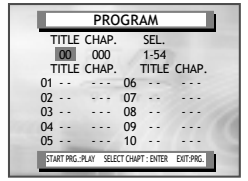
DVD, VCD, CD

To cancel, move the cursor to the desired chapter/track and press [CLEAR].

1 **While in Stop or Play mode, press [PROGRAM].**

Enter the desired Title and Chapter number with the [0-9] buttons. Press [ENTER] to memorize. Then input the next number.

In case of VCD and CD, enter the TRACK number.


PROGRAM
TITLE CHAP. SEL.
00 000 1-54
TITLE CHAP. TITLE CHAP.
01 - - - - - - 06 - - - - - -
02 - - - - - - 07 - - - - - -
03 - - - - - - 08 - - - - - -
04 - - - - - - 09 - - - - - -
05 - - - - - - 10 - - - - - -
START PRG.-PLAY SELECT CHAPT : ENTER EXIT-PRG.

2 **When finished press [PROGRAM] or [PLAY].**

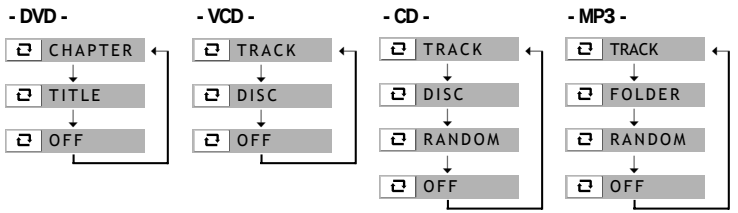
The titles and chapters (tracks) are played in the above-programmed order.

To exit Program Play mode, press [POWER] or [EJECT].

Repeating a defined period

DVD, VCD, CD, MP3

Each time you press [REPEAT] in playback mode, repeat playback starts as follows:



- *CHAPTER : Current chapter will play repeatedly.*
- *TITLE : Current title will play repeatedly.*
- *TRACK : Current track will play repeatedly.*
- *DISC : Current disc will play repeatedly.*
- *RANDOM : Tracks on the disc will play in random order.*
- *FOLDER : Current folder will play repeatedly.*
- *OFF : Repeat playback will be cancelled.*

Repeating a defined period from A to B

DVD, VCD, CD

■ You may repeat a defined period from A to B.

A MP3 disc may not be repeated from A to B.

1 **At the point where you want to start the repeat playback, press [A-B].**

Point A is set.

2 **At the point where you want to end the repeat playback, press [A-B] again.**

Point B is set and the segment from A to B plays repeatedly.

3 **To exit repeat playback mode, press [A-B].**

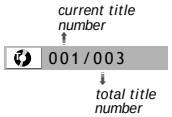
Normal playback resumes.

Searching DVD by Title, Chapter or Time

DVD

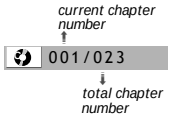
1 **If you want to search for a title number, press [SEARCH] once.**

The current and total number of titles are displayed. Use [0-9] to enter the desired title number.



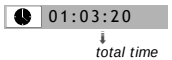
2 **If you want to search for a chapter number, press [SEARCH] twice.**

The current and total number of chapters are displayed. Use [0-9] to enter the desired chapter number.



3 **If you want to search for a time, press [SEARCH] three times.**

Enter the desired time to be searched using the [0-9] buttons.



4 **When finished, press [ENTER].**

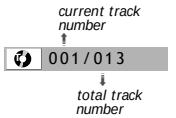
Playback starts from the selected position.

Searching VCD, CD and MP3 by Track or Time

VCD, CD

1 **If you want to search for a track number, press [SEARCH] once.**

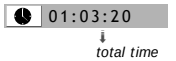
If PBC is OFF, the screen shows current and total number of tracks. Enter the desired track number to be searched using the [0-9] buttons.



** If PBC is ON, entering the track number converts PBC to OFF mode automatically.*

2 **If you want to search for a track time, press [SEARCH] twice.**

If PBC is OFF, the screen shows total time. Enter the desired time to be searched using the [0-9] buttons.



3 **When finished, press [ENTER].**

Playback starts from the selected position.

Confirming Current PLAY Mode

Confirming the current DVD disc mode

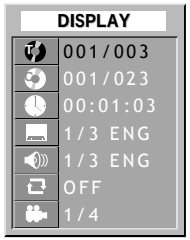
DVD

While in Play mode, press [DISPLAY].

The current disc mode is displayed.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [0-9], [<] or [>]. When finished, press [ENTER].

To exit Display mode, press [DISPLAY] again.



- ➞ *current title / total title number*
- ➞ *current chapter / total chapter number*
- ➞ *time elapsed*
- ➞ *current subtitle / total subtitle number / subtitle selected*
- ➞ *current audio language / total audio language number / audio language selected*
- ➞ *repeat playback mode*
- ➞ *current angle / total angle number*

Confirming the current SVCD disc mode

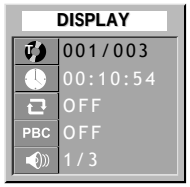
SVCD

While in Play mode, press [DISPLAY].

The current disc mode is displayed.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [0-9], [<] or [>]. When finished, press [ENTER].

To exit Display mode, press [DISPLAY] again.



- ➞ *current track / total track number*
- ➞ *time elapsed*
- ➞ *repeat playback mode*
- ➞ *PBC mode*
- ➞ *current audio language / total audio language number*

Confirming the current VCD disc mode

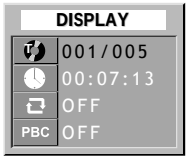
VCD

While in Play mode, press [DISPLAY].

The current disc mode is displayed.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [0-9], [<] or [>]. When finished, press [ENTER].

To exit Display mode, press [DISPLAY] again.



- ➞ *current track / total track number*
- ➞ *time elapsed*
- ➞ *repeat playback mode*
- ➞ *PBC mode*

Confirming the current CD, MP3, JPEG disc mode

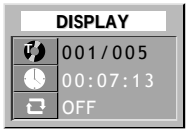
CD, MP3, JPEG

While in Play mode, press [DISPLAY].

The current disc mode is displayed.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [0-9], [<] or [>]. When finished, press [ENTER].

To exit Display mode, press [DISPLAY] again.



- ➞ *current track / total track number*
- ➞ *time elapsed*
- ➞ *repeat playback mode*

AUDIO, SUBTITLE and 3D AUDIO

Selecting an audio language

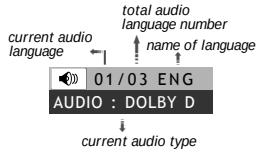
DVD

■ The user may select an audio language and subtitle language if a disc includes multiple languages.

Certain discs may not support audio or subtitle selection.

Keep pressing [AUDIO] until your preferred language appears in playback mode.

If the DVD disc includes audio information, every time you press [AUDIO], English (ENG), French (FRE), Spanish (SPA), etc. appear one by one.

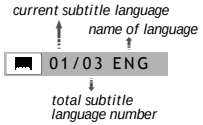


Selecting a subtitle language

DVD

Keep pressing [SUBTITLE] until your preferred language appears in playback mode.

If the DVD disc includes subtitle information, every time you press [SUBTITLE], English (ENG), French (FRE), Spanish (SPA), ... and OFF appear one by one.



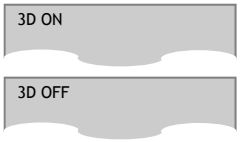
Selecting 3D Audio

DVD, VCD, CD

■ You can enjoy a virtual 3D sound effect from 2-channel sources.

Press [3D].

Every time you press [3D], the 3D sound toggles between 3D ON → 3D OFF → 3D ON...



ZOOM and Multi Angle

Using the zoom function

DVD, VCD

■ You can enlarge the current screen 2 or 4 times.

In the case of SVCD and VCD, only 2 times Zoom is available.

Keep pressing [ZOOM] until the preferred level of magnfication appears.

Every time you press [ZOOM], the zoom magnification changes 2 times (X2) → 4 times (X4) → OFF → 2 times (X2) → ...

The default zoom position is the center of the screen. You can move this point using [< > ^ v].

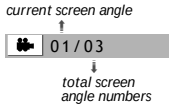
Viewing Different Angles

DVD

■ If a disc includes multiple angles, you can watch the same scene from different perspectives. The function is limited to DVD discs supporting multi-angle information.

Keep pressing [ANGLE] until the preferred angle appears.

Every time you press [ANGLE], the angle changes in consecutive order.



About MP3, JPEG discs

Playing a disc containing MP3, JPEG files

MP3, JPEG

This unit will play MP3, JPEG files recorded on CD-R and CD-RW discs.

1 **Turn on your television and select the channel assigned to this DVD+VCR.**

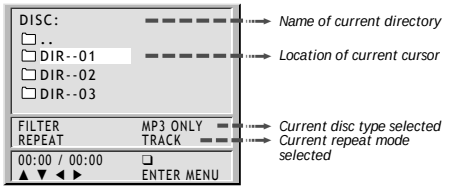
Press DVD [EJECT] to open the disc tray.

Place a disc with MP3, JPEG files on the disc tray with the label side up.

Press DVD [EJECT] to close the disc tray.

The DVD+VCR will load the disc and display the directory structure.

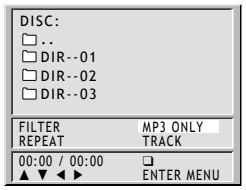
2 The following screen appears.



3 **Select your disc type.**

Move the cursor to FILTER by pressing [< > ∧ ∨].

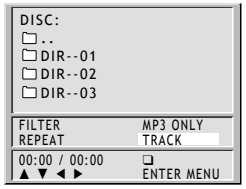
Keep pressing [ENTER] to select your preferred disc type. Every time you press [ENTER], the disc type changes as follows: MIXED → MP3 ONLY → JPG ONLY → MP3 AND JPG → MIXED → ...



4 **Select the repeat playback mode.**

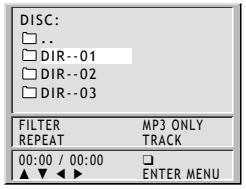
Move the cursor to REPEAT by pressing [< > ∧ ∨].

Keep pressing [ENTER] to select your preferred repeat playback mode. Every time you press [ENTER], repeat playback mode changes as follows: TRACK → FOLDER → RANDOM → OFF → ...



5 **Select the desired folder.**

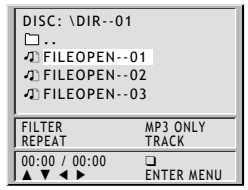
Move the cursor to the desired folder by pressing [< > ∧ ∨] and press [ENTER] to confirm.



6 **Select the file to listen to (or view).**

Move the cursor to the file you want to listen to (or view) by pressing [< > ∧ ∨] and press [ENTER] to confirm. The selected file will play.

* *To close the directory screen, press [MENU] in playback or stop mode. Press [MENU] again to reopen it.*



■ Play and Pause

Press [PLAY] or [PAUSE] to switch between play and pause.

■ Search for a track

The [SEARCH] button works on MP3/JPEG discs as well as VCD/CD audio.

* *If [SEARCH] is pressed in playback mode, the folder tree view disappears and the search bar is displayed.*

■ To stop playback

Press [STOP ■].

■ To skip to the next or previous file

- Press [NEXT ▶▶▮] briefly while playing, to skip ahead to the beginning of the next file.
- Press [▮◀◀ PREV (Previous)] briefly while playing, to skip back to the beginning of the previous file.

The ability of this unit to read MP3 discs is dependent on the following:

- *The Bit Rate must be within 64-256 kbps.*
- *The maximum number of directories should not exceed 32.*
- *The maximum depth level of directories should not exceed 4.*
- *If a file is recorded with a variable bit rate (VBR) (Example : 54~256kbps) distortion may occur during playback.*
- *File names should be 8 or fewer letters and/or numbers, and must incorporate the "MP3" file extension. EXAMPLE: ********. MP3 where each * is a letter or number.*
- *Use only letters and/ or numbers in file names. If you use special characters, the file and/ or folder names may not be displayed correctly on the on-screen display.*

The ability of this unit to read JPEG discs is dependent on the following:

- *If you press [PLAY] when a JPEG image is selected instead of [ENTER], a slideshow will begin automatically starting from the selected image.*
- *To stop the slideshow, press [STOP]. Pressing [STOP] and [PLAY] again makes the screen go to the first image in the list.*

Caution

- *Avoid using CD-RW (Rewritable) discs.*
- *The CD-R must be recorded with standard formatting.*
- *The CD-R should be written using the 'disc at once' method.*
- *Only discs made with ISO 9660 formatting can be played.*

Displaying Disc Menus

To display disc menus

DVD, VCD2.0

1 **Press [TITLE] or [MENU].**

- The disc menu is displayed. These menus vary by disc. ("Return" will appear on the OSD with VCD2.0.)
- If it is a VCD2.0, select PBC ON mode by pressing [TITLE].

** CD and VCD1.1 do not support the function.*

2 Move the cursor to the desired menu item with [< > ∧ ∨] and select with [ENTER] or [PLAY].

Progressive Scan Mode

Selecting SCAN MODE

DVD

While DISC STOP, press [P.SCAN].

Every time you press [P.SCAN], SCAN MODE changes as follows: INTERLACED → PROGRESSIVE → S-VIDEO → ...

** If SCAN MODE is set to "INTERLACED", connect Y/Pb/Pr on the DVD+VCR to the INTERLACED input on your TV.*

If SCAN MODE is set to "PROGRESSIVE", connect Y/Pb/Pr on the DVD+VCR to the PROGRESSIVE SCAN input on your TV.

LANGUAGE Setup

You can set your preferred language of disc menus, audio soundtracks and subtitles.

1 **While in Stop mode, press [SETUP].**

2 **Selecting an OSD LANGUAGE.**

Select a language to be displayed on DVD menus.

Every time you press [ENTER], OSD LANGUAGE changes as follows: ENGLISH → FRANCAIS → ...

3 **Selecting an AUDIO language.**

Set your preferred audio language. If the audio language is set and recorded on the DISC, it is automatically played in the set language every time it is played.

Every time you press [ENTER], the AUDIO language changes as follows: ENGLISH → FRENCH → ... → AUTO.

If a disc does not include language information, the selected language will not appear.

4 **Selecting a SUBTITLE language.**

Set your preferred subtitle. If the subtitle language is set and recorded on the DISC, it is automatically played in the set language every time it is played.

Every time you press [ENTER], the SUBTITLE language changes as follows: ENGLISH → FRENCH → ... → OFF.

5 **Selecting a DISC MENU language.**

Set your preferred DISC MENU language. If the DISC MENU language is set and recorded on the DISC, it is automatically played in the set language every time it is played.

Every time you press [ENTER], the DISC MENU language changes as follows: ENGLISH → FRENCH → ...

VIDEO Setup

To set the DVD+VCR to match the capabilities of your TV:

1 While in Stop mode, press [SETUP].

2 Selecting TV ASPECT.

Every time you press [ENTER], TV ASPECT changes as follows: 4:3 LB → 16:9 WIDE → 4:3 PS → ...

If you select "4:3 LB", you can watch the original widescreen movie, but black bars will appear above and below the picture.

If you select "4:3 PS", the picture will fill the screen but the sides of the movie will be cropped.

If a disc size is originally recorded in 4:3, you cannot watch it in wide screen even if TV ASPECT is set to "16:9 WIDE".

3 Selecting VIDEO OUT.

Every time you press [ENTER], VIDEO OUT changes as follows: S-VIDEO → COMPONENT → ...

You may set VIDEO OUT to S-VIDEO or COMPONENT.

* *If VIDEO OUT is set to S-VIDEO, you cannot set SCAN MODE. Only when VIDEO OUT is set to COMPONENT, you can set SCAN MODE.*

4 Selecting SCAN MODE.

Every time you press [ENTER], SCAN MODE changes as follows: INTERLACED → PROGRESSIVE → ...

You may set SCAN MODE to INTERLACED or PROGRESSIVE.

* *If SCAN MODE is set to "INTERLACED", connect Y/Pb/Pr on the DVD+VCR to the INTERLACED input on your TV.*

If SCAN MODE is set to "PROGRESSIVE", connect Y/Pb/Pr on the DVD+VCR to the PROGRESSIVE SCAN input on your TV.

AUDIO Setup

To set the DVD+VCR to match the capabilities of your audio system:

1 While in Stop mode, press [SETUP].

2 Selecting DIGITAL OUT.

Every time you press [ENTER] button, DIGITAL OUT changes as follows: BITSTREAM → LPCM → BITSTREAM → ...

Set audio output to coaxial or optical. You can set the outgoing digital signal to BITSTREAM or LPCM:

- **BITSTREAM** : The raw audio signal recorded on the disc goes to the digital audio output.
- **LPCM** : The decoded audio signal goes to the digital audio output.

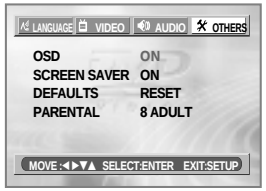
3 Select a Dynamic Range

You can set the Dynamic Range as follows:

- **OFF** : You can hear the sound as it was originally recorded on the disc.
- **FULL** : You can hear loud sounds softer and soft sounds louder.

Others Setup

1 **While in Stop mode, press [SETUP].**



2 **Selecting OSD.**

Select "ON" to have the OSD (On Screen Displays) shown on the screen.

3 **Selecting SCREEN SAVER.**

To protect your TV from possible damage from bright scenes over long periods of time, you can turn on the built-in screensaver. When set to "ON", the screensaver functions automatically whenever the unit is left in Stop for ~5 minutes.

4 **Restoring DEFAULTS.**

If you press [ENTER], "RESET" changes to "LOADING" for ~2 seconds. Then it changes back to "RESET".

This feature resets every function to its original Factory Defaults except the Parental Control settings.

• If the password is wrong, "WRONG PASSWORD" appears instead of "CHANGE PASSWORD".

• The initial Password is "3308". If you forget your new password, you may input this number.

5 **Selecting PARENTAL.**

Press [ENTER] when the cursor highlights PARENTAL.

When "INPUT PASSWORD" appears on the screen, enter your password.

Change Parental Rating level.

Once you have entered the correct password, you can change the PARENTAL rating by pressing [ENTER].

Every time you press [ENTER], Parental changs as follows: 1 KIDS → 2 G → 3 PG → 4 PG-13 → 5 PG-R → 6 R → 7 NC-17 → 8 ADULT.

These 8 levels of parental control, protect children from watching violence, sexual scenes and other objectionable material.

6 **Changing a password.**

To change your password, move the cursor to "CHANGE PASSWORD" and enter a new password.

About DVD

Playable Discs

• DVD, Video CD (Version 1.1, 2.0), S-VCD and Audio CD

Disc type	Playable	Restriction
DVD	Yes	Region number 1 or Region number All
Video CD	Yes	Version 1.0/1.1/2.0, SVCD
CD	Yes	PCM
CD-G	Yes	Only Audio playback
CD-ROM	Yes	MP3 File
CD-R	Yes	Video-CD/CD/CD-ROM (MP3 File)
CD-RW	Yes	Video-CD/CD/CD-ROM (MP3 File)
DVD-R	Yes	DVD Video
DVD-RW	Yes	DVD Video
DVD+RW	Yes	DVD Video
DVD-ROM	No	
DVD-RAM	No	
Photo CD	No	

REGION MANAGEMENT INFORMATION

This unit is designed and manufactured to respond to the Region Management information that is recorded on a DVD disc. The region number of this player is "1". If the region number described on the DVD discs does not correspond to the Region number of this player, the player will not play this disc. This player will play DVD discs made for "ALL" regions. Therefore, this player will play DVD discs marked with labels containing the region number "1" or "ALL".

(Region 1)

(Region ALL)

DVD Terms

DVD A DVD (Digital Versatile Disc or Digital Video Disc) can include 135 minutes of video information. It can also hold up to 8 languages and 32 subtitle languages. By using MPEG-2 video compression and digital 3D surround sound, DVD realizes high resolution video and theater quality sound.

CDDA A CDDA (Compact disc digital audio) is a music disc.

MP3 MP3 (MPEG-1 Layer 3) is an audio compression format that enables audio files to be stored and transferred on a computer with a relatively small file size. It enables you to enjoy near CD quality music at a fraction of the size.

PBC PBC (PlayBack Control) refers to control of Video CD 2.0, Video CD 3.0, SVCD and CVD. The scenes or information to be viewed (or listened to) can be selected interactively on your TV monitor.

CHAPTER Information recorded on a DVD. A title on a DVD is divided into many tracks, each of which are referred to as chapters. Each chapter is numbered and can be searched using its number.

TITLE Information recorded on a DVD. A DVD can be divided into may titles.

TRACK Information recorded on a video CD or audio CD. A disc consists of many tracks. Each track is numbered and can be searched using its number.

dts Digital Theatre System is a 5.1 -channel surround sound system that is widely used in movie theatres around the world. It enables the bit rate to be increased to provide excellent sound quality. "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Multi Angle Some DVD discs contain various scenes that have been simultaneously shot from a number of different angles.

PCM Linear PCM is a signal-recording format used on CDs. While a CD is recorded at 44.1kHz/16bit, a DVD is recorded at 48KHz/16bit up to 96KHz/24bit.

Dolby Digital Dolby Digital enables the delivery of mono through 5.1-channel audio at data rates from 32 kbps to 640 kbps, thus offering flexibility and economical performance as well as uncompromised sound quality.

Bitstream Digital audio data that is decoded into an analog signal for subsequent output to speakers.

Lt/Rt Provides a Dolby Surround-compatible downmix mode which can be decoded by a Dolby Pro Logic decoder to produce a multi-channel surround experience.

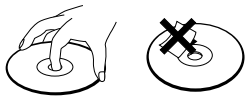
Downmix DOWNMIX is reproducing the proper audio when audio format recorded on a disc differs from the output audio channel configuration. For example, with just one stereo speaker system you can hear full 5.1 channel audio.

S-VIDEO The S-VIDEO output separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture.

COMPONENT Component Video is a technology to divide and transmit a color signal (C) into B-Y (Pb) and R-Y (Pr) color difference signal. This technology supplies a clearer and more vivid picture than composite video.

Handling Discs

- To keep a disc clean, do not touch the side containing playback information.
- Do not attach paper or tape to it.
- Do not expose a disc to direct sunlight or electric heating systems.
- After using, please keep discs in their case.



Cleaning Discs

- Before using, rub the disc from the center out with a clean cloth.
- Do not use any type of solvent such as thinner, benzol (benzene), commercial cleaning products or antistatic sprays.

About VCR and Videotape

VCR Terms

AFT Automatic fine tuning, a circuit that automatically adjusts TV reception to optimum condition.

CABLE Cable television.

Index Search A feature of this VCR that automatically records an index mark each time recording begins. It helps you locate a particular segment of the tape quickly and easily.

SLP Super Long Play, an intermediate tape recording speed that combines most of the picture/audio quality obtainable at the standard recording speed with some of the tape economy of Extended Play.

OSD On-screen display of information pertinent to the features of the VCR.

OTR One-touch recording, a feature that allows you to record the program you're watching by pressing the REC key. Each press of the key increases the recording time by 30 minutes, up to four hours.

RF Radio frequency, the composite audio/video signal supplied to a TV receiver (or other video component) by an antenna or cable system.

Safety tab The plastic tab at the back of a video tape cassette which, when removed, prevents accidental erasure of a recording.

SP Standard play, the recording speed to use when the best picture quality is of prime importance (and when total recording time is not).

What is dew condensation symptom?

- If a VCR is moved from a cool place to a warm and damp place or a place facing a direct cool wind from an air-conditioner... condensation may form on the VCR heads.

If condensation occurs,

1 First, turn the unit on for one or two hours before using it.
2 Do not use when condensation is present because it may damage the VCR or videotape.

How to use a head cleaner

- If you use an old or contaminated videotape, the picture may not be clear due to contamination of the VCR heads. Remove contaminants using a head-cleaner as described below.

1 Insert a head-cleaner into the VCR.
2 Press [PLAY] for 5 seconds, and then press [FF] for about 10 seconds.

PLAY (5 secs) → FF (10 secs)

3 Eject the head-cleaner from the VCR.
• If the picture is still not clear, repeat the above 2 or 3 more times.

Troubleshooting (DVD)

Symptom	Checks
• **The player does not play.**	➤ If a DVD is from overseas, it may not play. Make sure the DVD's region code is 1 or All. ➤ Make sure the DVD is inserted in the right direction. ➤ If it is a CD-ROM for PC or DVD-ROM, it will not work.
• **No sound.**	➤ Play mode may be "SLOW" or "PAUSE"(In variable speed play, no sound comes through) ➤ Check audio connections. ➤ Make sure TV and amplifier are working correctly. ➤ Check "AUDIO" items in the SETUP menu.
• **A disc is playing but screen does not appear or poor screen appears.**	➤ Did you turn on your TV? ➤ Check video connections. ➤ The player may be in "PAUSE". ➤ The disc may have some contaminants or be damaged. ➤ The disc may be defective.
• **Sound is irregular.**	➤ Check the connection with Dolby Digital amplifier. ➤ Make sure plugs are securely connected. ➤ Some contaminants may be present in connection terminal.
• **Remote control does not work.**	➤ Check the angle and distance of the remote control, and remove any obstacles. ➤ Battery may be weak or exhausted. ➤ When you operate DVD, first press the [DVD] button. ➤ Unplug the power plug and plug it again.
• **Dolby Digital sound does not work**	➤ Dolby Digital sound works only with a Dolby Digital amplifier. ➤ Confirm "Dolby Digital" mark on your DVD. ➤ If using the digital output, press [STOP], then press [SETUP] and make sure "DIGITAL OUTPUT" is set to "BITSTREAM". ➤ Make sure all components are connected correctly.
• **[AUDIO] or [SUBTITLE] button does not work.**	➤ If a DVD does not include language information, these functions are not supported.
• **[ANGLE] button does not work while a DVD is playing.**	➤ "ANGLE" is supported only if a DVD contains multi angle scenes. Also a user can confirm the support with the "ANGLE" mark on screen.
• **"MENU" does not appear while a DVD is playing.**	➤ Check the angle and distance of the remote control, and remove any obstacles. ➤ Battery may be weak of exhausted. ➤ A DVD may not contain menu information.
• **Screen shakes or appears only in black and white. (or Subtitles shake)**	➤ A disc may have some contaminants or be damaged. ➤ If you playback a PAL DVD disc with region code "ALL", the playback screen may shake.
• **The file name of MP3 (CD-R) appears with strange letters.**	➤ The unit only recognizes MP3 file names with letters, numbers and special symbols. The maximum length is 10 characters. ➤ Unrecognized characters will be displayed as "----".
• **Any MP3 (CD-R) file isn't displayed.**	➤ If the surface of disk is damaged, file display and playback is not possible.

Troubleshooting (VCR)

Symptom	Checks
• **"Power On" does not work.**	➤ Make sure the power plug is inserted in an electric outlet.
• **Unit does not work even in "Power On".**	➤ Make sure a videotape is inserted. ➤ Try to insert a plug again.
• **A videotape will not insert.**	➤ Make surea power plug is inserted in an electric outlet. ➤ Make sure a videotape is inserted. ➤ Make sure a videotape is inserted in the right direction (a side of transparent window should be on the top) ➤ Have you inserted the videotape again just after the tape was ejected? Try it again after fully ejecting it. ➤ When a videotape jams on insertion the tape may not be inserted correctly. Remove the tape and then reinsert it gently.
• **On inserting a videotape, the tape is re-ejected.**	➤ This is a safety feature to protect your videotape. Please pull out the tape and insert it again.
• **A videotape is not ejected.**	➤ If the product is not used for a long time, a videotape may not be ejected because the tape inside may be stretched. In this case, unplug the unit for about 10mins and then press [EJECT].
• **A channel on video and a play screen does not appear.**	➤ Check your antenna's connection. ➤ TV channel should be set to video channel (3 or 4). ➤ Check if your antenna's signal is weak. If so, connect a frequency amplifier to the device. ➤ Press [TV/VCR] until "VCR" is displayed on the display panel.
• **Noise (screen noise) appears on screen.**	➤ VCR is not playing and is tuned to a weak TV channel. ➤ Select TV by pressing [TV/VCR] on remote control.
• **Noise appears on screen after recording.**	➤ While playing a videotape, there may be some noise at the beginning of the tape or when resuming "PAUSE", which is normal.
• **While in Play mode noise appears.**	➤ Press [TRACKING] for better picture quality. Videotape may be poor. Try substituting another one.
• **Sound and picture are irregular.** • **Sound comes on but picture does not appear.** • **Screen is irregular and stripes appear.** • **"Screen Error" message is displayed on screen.**	➤ Use a head-cleaner to clean the VCR heads. VCR heads may be contaminated.
• **While recording and playing, the top of screen waves.**	➤ Since VCR Play signals are not stable like a TV signals, screen may be unstable or curved while playing. To fix the problem, check horizontal adjustment.
• **A screen is not clear.**	➤ If the videotape is old or was recorded on another model bands may appear on the screen. ➤ Try using the [TRACKING+/-] buttons. ➤ Try using a head-cleaner.
• **A screen in Pause mode is shaking or slow playback is not clear.**	➤ Try using a head-cleaner. ➤ Try using the [TRACKING+/-] buttons.

Symptom	Checks
• **Recording a TV program is impossible.**	➤ Check whether the desired channel is visible on the screen. If not, press [OUTPUT] to view the TV. ➤ Check whether the timer recording settings are right. ➤ Are RF cables connected to the antenna connection correctly? ➤ Does a channel number appear on the display? ➤ Check the record safety tab on the videotape. ➤ Is the RF cable connected to the "ANT.IN" terminal?
• **Once [REC] is pressed, a videotape is ejected automatically.**	➤ Make sure the clock is set correctly. ➤ Does the display show " ⌟ " (Ready for timer recording)? ➤ Make sure the timer recording settings are right. ➤ Check the record safety tab on the videotape.
• **Timer recording of Cable TV does not work.**	➤ Was the cable data output code set correctly? ➤ Were the converter manufacturer setup and output channel set correctly? ➤ Did you enter a password? (Please cancel it.) ➤ Did you turn off your player? (Please turn it on.)
• **In spite of pressing [CHANNEL], a channel can not be set.**	➤ The selected channel cannot be stored. ➤ Please check your channel settings or press a number button.
• **While copying, screen is distorted.**	➤ Some rental tapes or discs are set to prevent copying in manufacturing. These tapes cannot be duplicated in good condition.
• **Remote control does not work.**	➤ Battery may be weak or exhausted.
• **Buttons on remote control do not work.**	➤ If a videotape is positioned at the beginning, "VISS REW" and "REW" do not work. ➤ If a videotape is positioned at the end, "FF", "VISS FF", "PLAY" and "REC" do not work.
• **VISS index search does not work.**	➤ Are you playing a tape that was not recorded in this recorder? ➤ You may have started recording in "REC-PAUSE". Please start recording from Stop mode.
• **Cable broadcasting can not be selected.**	➤ Select "CABLE" not "NETWORK" in the "CHANNEL SETTING" menu.

Specifications

Power requirement		AC 120V, 60Hz
Power consumption		24W (supplementary 4W)
Weight		9.9 lbs (4.5kg)
Dimensions (WxHxD)		17.1" x 3.7" x 10.0" (435mm x 93mm x 255mm)
Operating temperature		41°F~95°F (5°C~35°C)
Installation conditions		Horizontal / Relative humidity under 80%
Channel coverage		VHF: 2-13 CH / UHF: 14-69 CH / Cable: 1-125
Signal type		NTSC COLOR
Antenna Input/output		U/V-mixed: 75Ω unbalanced
VIDEO input		1.0 Vp-p unbalanced, RCA JACK
AUDIO input		-8.8dBm, RCA JACK
VHF output		3 or 4 CH
VIDEO output (common use of DVD and VCR)		VIDEO output terminal, 1.0 Vp-p unbalanced, RCA JACK
VIDEO output (DVD only)		S-VIDEO output (75Ω In load Y: 1.0Vp-p, C:0.286Vp-p) COMPONENT output (75Ω In load Y: 1.0Vp-p, Pb:0.7Vp-p, Pr:0.7Vp-p)
AUDIO output (common use of DVD and VCR)		Audio output terminal (2 kinds): -8.8dBm(VCR), 2.0Vrms(DVD), RCA JACK
AUDIO output (DVD only)		Analogue AUDIO output (2 CH): 2.0Vrms Digital audio output (COAXIAL)
Playable tapes		Very high dense tapes with VHS marks
Playable discs		DVD, VIDEO-CD, CD (12mm), CD (8mm), MP3, CD-R, CD-RW
Tape speed		SP: 33.35mm/s, SLP: 11.12mm/s
Playtime		SP: 2hrs, SLP: 6hrs (use of T-120 tape)
Clock display		12 hrs AM/PM
Timer Recording		8 programs a year
VIDEO S/N (VCR)		Over 45dB(Standard recording)
Resolution	VCR	Over 220 lines (Standard recording)
	DVD	Over 500 lines (DVD Disc PLAY)
AUDIO (VCR)		Over 69dB (Hi-Fi), over 40dB (Mono)
AUDIO (DVD)		90dB
AUDIO dynamic range		90dB

DVD Audio output standards

Output	Disc type		
	DVD	VIDEO-CD	CD
Analogue Audio output	48/96KHz sampling	44.1KHz sampling	44.1KHz sampling
Digital Audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling

LIMITED WARRANTY

Who Provides the Limited Warranty

During the warranty period, the GoVideo Warranty Administrator will honor service for 90 days labor, 1 year parts from the original date of consumer purchase. See below for Commercial, Industrial or Educational use coverage. Remote controls are warrantied for 90 days from the date of purchase.

Who is Protected

This warranty protects the original consumer owner of this GoVideo product.

What is Covered and How Long

This warranty covers internal operating parts and service/labor to repair or replace covered parts in this GoVideo product for 90 days labor, 1 year parts, from the date of purchase, defined as follows: (1) Original Consumer Retail Purchase; (2) First Rental Purchase Agreement; or (3) First Lease Purchase Agreement (the "Warranty Period"). Labor and replacement parts supplied during the Warranty Period are covered only for the remaining portion of the original Warranty Period. The GoVideo Warranty Administrator shall have no liability for service under this warranty if non-OEM (Original Equipment Manufacturer) replacement parts are used in the repair of your GoVideo product.

What the Owner Must Do If Service is Required

If service under this warranty is required, log onto "www.govideo.com" to determine the nearest authorized GoVideo service center.

Other Warranty Coverage

Commercial, Industrial or Educational use has the same warranty coverage as stated in this warranty.

What are the Exceptions

This warranty does not cover: (1) Normal maintenance service, such as cleaning. (2) Damage from misuse, abuse neglect or accident, natural disasters or Acts of God. (3) Cabinetry, decorative parts, A/C adapters, knobs or buttons. (4) The foreign country use of this product. (5) GoVideo product which has been electronically or mechanically modified in any way or incorporated into other products. (6) Installation and setup service adjustments. (7) Owner instruction. Your Owner's Guide provides information regarding operating instructions and user controls. For additional information, contact your authorized GoVideo dealer.

Go Video is not responsible for any shipping, handling or insurance charges.

This Exclusive Limited Warranty excludes all incidental and consequential damages. Some states do not allow the exclusion of incidental and consequential damages, so the above exclusion may not apply to you.
ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY PERIOD. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This Exclusive Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

GOVIDEO WARRANTY ADMINISTRATOR

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